

IRZHANSKAYA, K.N.; FEL' BERBAUM, R.A.

Some data on conditioned reflex function in premature infants. *Fiziol. zhur.* 40 no.6:668-672 N-D '54. (MLRA 8:2)

1. Nauchno-issledovatel'skiy institut okhrany materinstva i mladenchestva im. N.K.Krupskoy, Khar'kov.

(REFLEX, CONDITIONED,
in premature inf.)
(INFANT, PREMATURE,
conditioned reflex in)

IRZHANSKAYA, K.N. [Irzhans'ka, K.N.]; OLEINYKOVA, Ye.A. [Oleinykova, Ye.A.]

Results of a conference on the all-Republic problem "Physiological characteristics of children as the basis for effective training and the prevention of disease." Fed., akush. i gin. 20 no.2:61-63 '58.

(MIRA 13:1)

(CHILDREN)

GIL', S.A.; VASHCHILKO, V.Ya.; YUMASHEVA, R.P.; IRZHANSKAYA, K.N.;
GOFMAN, R.N.; YAKOVLEVA, A.N.

Clinical and physiological basis of diets of young children
(with a single daytime sleep period). Vop.pit. 19 no.4:19-
23 J1-Ag '60. (MIRA 13:11)

1. Iz otdela fiziologii i vospitaniya rebenka (sav. - doktor med.
nauk S.A. Gil') i fiziologicheskoy laboratorii (sav. kand.med.nauk
R.N. Gofman) Khar'kovskogo instituta okhrany materinstva i
detstva imeni N.K. Krupskoy.
(INFANTS—NUTRITION)

IRZHAVSKIY, A.

USSR/Radio - Radio Received
Radio, Reception

Dec. 49

"The Salyut Receiver," Ye. Levitin, A. Irzhavskiy, 4 $\frac{1}{2}$ pp

"Radio" No 12

Describes receiver in detail. Will receive local and neighborhood stations, and employs two tubes in tuned RF reflex circuit operating on AC through selenium rectifier. Receives long and medium waves with output of 0.5 watt. Uses dynamic type loud-speaker with permanent magnet. Includes six sketches.

PA 157T91

IRZHAVSKIY A.

238T80

USSR/Electronics - Radio Receivers

May 52

"A First-Class Radio Receiver," A. Irzhavskiy and
I. Aynbinder

"Radio" No 5, pp 28-32

Description of a receiver with long, medium, and
four SW bands (one general and three with band-
spread). Output power, 4 va; sensitivity, 75 μ v
on long-wave and 50 μ v on remaining bands; power
drain, 150 w; 15 tubes. Special features: input
circuit on long-wave band; band switch design;
noiseless tuning system.

238T80

PA 236T28

IRZHAVSKIY, A.

USSR/Electronics - Radio Receivers

Jun 52

"A First-Class Radio Receiver," A. Irzhavskiy and
I. Aynbinder

"Radio" No 6, pp 30-35

Conclusion of an article which appeared in "Radio,"
No 5, 1952. This article describes parts, includes
tabular data on circuit coils, gives structural
features and instructions on tuning the receiver.

236T28

Ratio Detectors

IRZHAVSKIY, A.

"The Ratio Detector," A. Irzhavskiy

Radio, No 8, pp 42-46

Discusses in detail the operation of the ratio detector, which is stated to be one of the best frequency detectors for FI receivers because it completely suppresses amplitude modulation of the signal. This eliminates the need for a limiter stage.

261-177

IRZHAVSKIY, A.

USSR/Electronics - Detectors

Card 1/1 : Pub. 39 - 23/26

Authors : Irzhavskiy, A.

Title : Synchronous phase-detector

Periodical : Radio 12, 51-53, Dec 1954

Abstract : The theoretical principals regulating the performance of a phase-detector employed with a heterodyne receiver are set forth and the practical operation of such a detector is discussed. A circuit diagram of the heterodyne-detector system, indicating its I-F and A-F amplifier stages, the type of tubes used, the layout of resistances, capacitances and the various component circuits, is presented. Five successive steps are proposed for adjusting the detector, by means of tuning the anode and heterodyne circuits, and selecting the suitable couplings between these circuits. Circuit diagram; graphs.

Institution :

Submitted :

Translation M-359. 26 Apr 55

IRZHAVSKIY, A. and FUNSHTEYN, L.

"Induction Coils With Carbonyl Iron Cores," by A. Irzhavskiy
and L. Funshteyn, Radio, No 11, Nov 56, pp 54-59

This article gives an extensive list of nomenclature and characteristics of carbonyl iron induction coils of Soviet manufacture. The carbonyl cores are divided into radio-frequency grade and the "reduced" grade, the latter possessing a much higher permeability. Bakelite resin and polystyrene are used as the dielectric and binding medium for these carbonyl-iron cores.

The cores are designed for use in the frequency ranges of 110 kc, 460 kc, and one Mc.

Sum 1219

DEMIDAS, V.V.; IRZHEVSKAYA, G.I.; LEL'CHITSKIY, V.N., kand.med.nauk

Spontaneous pneumothorax in infants during the first months of life. *Pediatrics* 38 no.11:70-73 N '60. (MIRA 14:2)

1. Iz kafedry rentgenologii i radiologii (zav. - prof.Ye.D. Dubovyy) kliniki detskikh bolezney lechebnogo fakul'teta (zav. - dotsent V.P.Chrenyuk) Odesskogo meditsinskogo instituta (direktor - prof.I.Ya.Deyneka).

(PNEUMOTHORAX in inf. & child)

(INFANT NEWBORN diseases)

IRZHEVSKIY, V.; ZIL'BERBERG, Ya.; KOMEYKO, A.

Preparation of direct ammonia cooling systems for an over-all automation.
Mas.ind. SSSR 34 no.1:35-39 '63. (MIRA 16:4)

1. Odesskiy proyektno-konstruktorakiy institut avtomatizatsii pishchevoy promyshlennosti.
(Refrigeration and refrigerating machinery) (Automation)

IRZHEVSKIY, V.P.

14(1)

AUTHOR:

None Given

SOV/66-59-4-19/28

TITLE:

All-Union Scientific Technical Convention on Refrigeration Engineering

PERIODICAL:

Kholodil'naya tekhnika, 1959, Nr 4, pp 61-65 (USSR)

ABSTRACT:

Under the auspices of the Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti (Leningrad Technological Institute of Refrigeration Industry), of the Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti im. Mikoyana (All-Union Scientific Research Institute of Refrigeration Industry im. Mikoyan) and of the Vsesoyuznaya sektiya kholodil'shchikov (All-Union Section of Refrigeration Workers), a convention was held in Leningrad from the 6 through 9 August, 1959, which was attended by 534 people. Below are given the names of the principal lecturers, the names of the institutions they represent and the titles of their lectures: V.Ya. Kokorev (Ministry of Trade of the RSFSR) "Tasks of Development and of Application of Refrigeration in the National Economy of the USSR"; T.V. Gogolina, Engineer (Central Designing Bureau of Refrigeration Machine Building) "Fields of Application of Refrigeration Equipment in Industry"; V.P. Irzhevskiy, Engineer (Odessa Designing Institute of Complex Automation & Production

Card 1/4

All-Union Scientific Technical Convention on Refrigeration Engineering

SOV/66-59-4-19/28

Processes in the Food Industry) "Orientation and Designing of Automatic Systems in Refrigeration Installations"; B.L. Tsyrlin, Engineer (VNIKhI) "Investigation of the Work of Compressors of the Piston Block-Crankcase Type"; V.B. Yakobson, Candidate of Technical Sciences (VNIKhI) "Investigation of Small Freon Compressors With Built-in Electric Motors"; D.M. Ioffe, Candidate of Technical Sciences (VNIKhI) "Analysis and Investigation of Heat-Exchanging Machinery with a Ribbed Heat Transmitting Surface"; L.M. Rozenfel'd, Professor and Doctor of Technical Sciences (Leningrad Technological Institute of Refrigeration Industry) "The Problem of Complete Utilization of Refrigeration Machines"; V.S. Martynovskiy, Professor and Doctor of Technical Sciences and B.B. Paruleykar, Professor (Odessa Technological Institute of Food and Refrigeration Industries) "Thermal Air Separation at the Cold End of the Vortex Tube"; I.P. Usyukin, Professor and Doctor of Technical Sciences (Moscow Institute of Chemical Machine Building) "Results of the Two Years Working Period of the Installation BR-1 and the Prospects of Producing Technological Oxygen"; A.I. Moroz, Candidate of Technical Sciences and B.V. Denishchuk, Engineer (VNII of Oxygen Machine Building); K.I. Strakhovich, Professor and G.E. Ozhigov, Candidate of Technical Sciences (Leningrad Technological Institute of Re-

Card 2/4

SOV/66-59-4-19/28

All-Union Scientific Technical Convention on Refrigeration Engineering

frigeration Industry) "Theoretical Investigation of Expansion of Moist Vapor of the Air Turbo-Pressure-Reducer"; A.A. Gogolin, Candidate of Technical Sciences (VNIKhI) "Ways of Developing Air Conditioning Engineering in the USSR"; A.L. Satanovskiy, Engineer (Institute of Thermal Power Engineering of the AS USSR) "Air-Water-Evaporation Cooling and Air Conditioning on the Cranes in Hot Workshops"; L.K. Lozina-Lozinskiy, Professor and Doctor of Biological Sciences (Institute of Cytology of the AS USSR) "The Latest in the Doctrine Pertaining to the Influence of Low Temperatures on Organisms"; N.A. Golovkin, Professor and Doctor of Technical Sciences (Leningrad Technological Institute of Refrigeration Industry) "Mechano-Chemistry of the Muscular Tissue Under Refrigeration Processes of Food Products of Animal Origin"; D.G. Ryutov, Candidate of Technical Sciences and P.A. Alekseyev, Candidate of Technical Sciences (VNIKhI) "Conditions of Storage and Weight Losses of Frozen Meat in a Cold Room with Jacket Heat Protection"; A.P. Sheffer, Candidate of

Card 3/4

SOV/66-59-4-19/28

All-Union Scientific Technical Convention on Refrigeration Engineering

Technical Sciences and A.G. Saatchan (All-Union Scientific Research Institute of Meat Industry) "Single-Stage Freezing of Meat"; A.P. Chernogortsev (Astrakhan' Technical Institute of Fish Industry) "Proteolysis of Sprats and the Influence of Temperature on the Terms of Ripening and Storage of Sprat Preserves".

Card 4/4

IRZHEVSKIY, V.P., inzh.; KOMEYKO, A.I.; IOANNO, M.G.

Control panels of automatic refrigerating units. Khol. tekhn. 38
no. 1:15-17 Ja-F '61. (MIRA 14:4)

1. Proyektno-konstruktor'skiy institut Pishcheprom.
(Refrigeration and refrigerating machinery)

IRZHEVSKIY, V.P. [Irzhevs'kyi, V.P.]; KOMEYKO, A.I.; GELLER, S.L. [Heller, S.L.];
ZIL'BERBERG, Ya.M.

Protection of ammonia compressors against water hammer. Kharch.prom.
no.4:59-63 O-D 63. (MIRA 17:1)

L 33102-66

ACC NR: AF6024077

SOURCE CODE: UR/0066/66/000/001/0009/0012

AUTHOR: Irzhevskiy, V. P.; Matskin, V. S.; Geller, S. L.; Ogurtsov, V. I.

ORG: [Geller] "Pishchepromavtomatika" Institute (Institut "Pishchepromavtomatika")

TITLE: News in the planning of automated refrigeration units for distributing and production refrigerators

SOURCE: Kholodil'naya tekhnika, no. 1, 1966, 9-12

TOPIC TAGS: refrigeration engineering, refrigeration equipment, cryogenic fluid compressor, industrial management, electric relay

ABSTRACT: On the basis of recent experience in the installation and operation of automated refrigeration units for the food industry, many new design decisions have been made. These include pulse control systems, in which a status-determining pulse is supplied to the temperature relay system each thirty minutes, the position of the relays determining whether an additional compressor is started, one or more compressors are stopped, or the system is allowed to run as before for an additional 30 minutes; new ammonia supply, ball-bearing protection and compressor protection equipment for automation of compressor units; new centralized compressor control panels, located near compressor installations and equipped with signal lights to indicate the reasons for automatic stoppages of equipment; remote control units for non-compressor equipment; location of control rooms adjacent to compressor installations; standards for reduction of the number of service personnel present for operation as experience in operating installations is gained. Orig. art. has: 2 figures.

[JPRS]

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 005

UDC: 621.56.001.12

Card 1/1 BK

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16 41

IRZHEVSKIY, V.P.

Automation of large refrigeration plants. Ser.III: Nov.mash., obr.
i sred.avtomatiz. no.59:12-20 '63. (MIRA 16:12)

1. Odesskiy proyektno-konstruktorskiy institut pishchevoy
promyshlennosti.

IRZHEVSKIY, V.P., inzh.; KOMEYKO, A.I., inzh.; BATOVA, A.G., inzh.; ZAVELICH,
G.Ye., inzh.; GELIER, S.L., inzh.

Automatic control of the operation of vessels in a dry ice plant.
Khol.tekh. 40 no.3:47-48 Ny-Je '63. (MIRA 16:9)
(Ice industry) (Automatic control)

VAYNBERG, Arkadiy Yakovlevich, kand. tekhn. nauk; KRUSILOVSKIY, Leonid Petrovich; TEPMAN, L.M., retsenzent; IRZHEVSKIY, V.P., retsenzent; SHUVALOV, V.N., retsenzent; SHABSHAYEVICH, M.L., spets. red.; KORBUT, L.V., red.

[Automation of technological processes in the dairy industry] Avtomatizatsiia tekhnologicheskikh protsessov v molochnoi promyshlennosti. Moskva, Pishchevaia promyshlennost', 1964. 246 p. (MIRA 18:3)

1. Leningradskiy tekhnologicheskii institut kholodil'noy promyshlennosti (for Shuvalov).
2. Vsesoyuznyy nauchno-issledovatel'skiy i eksperimental'nyy institut prodoval'stvennogo mashinostroyeniya (for Shabshayevich).
3. Institut Pishchepromavtomatika (for Irzhevskiy).

1.0410-7, V.1.

Milk production of cattle in Quang Province during 40 years. 1zv.
Quang. otd. Geog.ob-vn no.1:03-71 '57. (MIRA 12:7)
(Quang Province--Dairying)

IRZHICHOV, V.I.

Improving cows' butterfat production in Siberia. Izv. Omsk.
Gtd. Geog. sb-vr no.6:113-118 '64. (MIRA 18:9)

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Distr: hE2c(j)

Polystyrene. 7 K. Burdzinski, A. Rausch, A. Palkowski, K. Górnalski, M. Irzyk, and K. Lewńska. Pol. 41,917, Apr. 30, 1959. Styrene 190 is added to H₂O 600 warmed to 80°, and poly(vinyl alc.) 0.4 kg. in 20 l. H₂O is then added with stirring, followed by 12 l. of 1% soln. of Nekal and 300 g. Bz₂O₈ in 10 kg. of styrene. After 2 hrs., 10 l. of 6% gelatin soln. is introduced at 75°, followed during 3-5 hrs. by 100 g. Na₂SO₄ in 10 l. H₂O. The temp. is raised to 80° after 8 hrs. and kept until granules of polystyrene having a sp. gr. higher than that of H₂O are obtained. Heating is then prolonged, the product is sepd. by filtering, and dried. The polymer is uniformly granulated and has an av. mol. wt. of 45,000-55,000, a bending resistance of 91.5 kg./sq. cm., and a heat resistance of 92°. K. Bojanowska.

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1-9-59 W/D

IRZYK, Michal, mgr inz.

Machinery and equipment at the 4th International Plastics Fair
"K 63" in Düsseldorf. Chemik 17 no.3: Supplements no.2 to no.3
of chemie: 1-10 '64

IRZYKIEWICZ, Irena

Use of a new mathematical formula in determination of basal
metabolism. Przegł. Lek., Krakow 10 no.8:232-237 1954.

1. Z III Kliniki Chorob Wewnętrznych Akad. med. w Łodzi. Kierownik:
Prof. dr med. Wacław Markert.
(BASAL METABOLISM, determination,
formula)

POLAND / Human and Animal Physiology. Metabolism.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40934.

Author : ~~Irzykiewicz-Proszak, I.~~

Inst : Not Given.

Title : The Value of Mathematical Formulae in the Determination of the Specific Dynamic Action of the Protein Ration.

Orig Pub: Polski tygod. Lekar., 1956, 11, No 22, 969-791.

Abstract: On the basis of 238 comparative determinations of energy metabolism (EM) by investigation of gas exchanges and calculation of basal metabolism according to the formulae of Markiewicz, Bena and Reed, it was established that the above mentioned form-

Card 1/2

POLAND / Human and Animal Physiology. Metabolism.
Abs Jour: Ref Zhur-Biol., No 9, 1958, 40934.

Abstract: ulae do not reflect the increase of EM after ingestion of proteins, since the pulse pressure, pulse rate and respiration (values which are used in determining basal metabolism according to the above mentioned formulae) do not vary accordingly with increase of EM after ingestion of protein. --
Ye. M. Berkovich.

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Card 2/2

IRZYKOWSKA, T.

PARAS. J.: IRZYKOWSKA, T.; KOWALCZYK, H.

Studies on Q fever in Poland. Med. dosw. mikrob. 5 no. 3: 315-316 1953.
(CDML 25:5)

1. Lublin.

IRZYKOWSKI, J.

IRZYKOWSKI, J. Some economic problems of the organization of the ship repairing industry. p. 325. Vol. 6, no. 12, Dec. 1956. TECHNIKA I GOSFODARKA. Gdansk Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

IRZYKOWSKI, J.

TECHNOLOGY

Periodicals: PRZEGLAD TECHNICZNY. Vol. 79, no. 19, Oct. 1958

IRZYKOWSKI, J. Technical progress in the repair dockyards. p. 896.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

ISA-ZADE, G.M., detent

Capillaroscopic studies in the cerebral form of hypertension.
Sobr.trud.Azerb.nauch.-issl.inst.kur.1 fiz.metod.lech. no.3:
108-116 '59. (MIRA 16:4)

1. Iz kafedry gosital'noy terapii Azerbaydzhanskogo gosudar-
stvennogo meditsinskogo instituta (zav.kafedroy zasluzhennyy
deyatel' nauki prof. D.M.Abdullayev). (BRAIN-DISEASES)
(HYPERTENSION) (CAPILLARIES)

BROEMAN, F.; BUTTLAR, N.; GAUTHERMANS, F.; ISAAC, N.; PICHCHIOTTO, Ye.

New method for determining the age of uranium minerals by means of
the lead method. Bnl.Kom.po opr.abs.vosr.geol.form.no.1:80-85 '55.
(MIRA 9:10)

(Uranium--Decay)

ISAAKOV, M.V.

Ridding farms of contagious pleuropneumonia in horses. Veterinariia
32 no.11:24 N '55. (MLRA 8:12)

1. Zaslushennyi veterinarnyi vrach Kirgizskoy SSR, direktor Krasno-
darskoy krayevoy veterinarnoy bakteriologicheskoy laboratorii.
(HORSES--DISEASES) (PLEUROPNEUMONIA)

ISAANYAN, A.G.

Tertian malaria with prolonged incubation in certain regions of
Armenia. Med.paras. i paras.bol. 25 no.3:259-261 J1-S '56. (MIRA 9:10)

1. Iz epidemiologicheskogo otdela Instituta malyarii i meditsinskoy
parasitologii Ministerstva zdavookhraneniya Armyanskoy SSR (dir.
inst. A.T.TSaturyan, zav. otdelom A.N.Asatyan)

(MALARIA, epidemiology,
in Armenia, tertian malaria (Rus))

(MOSQUITOES,
eradication in Armenia (Rus))

ISAAKYAN, A.G., Cand Med Sci --(diss)"Data on malaria in the foot-
hills and mountain ~~area~~ ^{region} of the Armenian SSR." Yerevan, 1959.
27 pp (Min of Health Armenian SSR. Yerevan Med Inst), 200 copies
(KL,27-59, 123)

-61-

VASHKOV, V.I.; SHNAYDER, Ye.V.; BRIKMAN, L.I.; ZAKOLODKINA, V.I.; CHUBKOVA, A.I.; ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I.Sh.; ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P.Ya.; MARTINSON, M.E.; MRACHKOVSKIY, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.; RAZMANOVA, Ye.M.; SAVINA, K.V.; SERGEYEVA, A.Ye.; SOKOLOVA, M.Ye.; FOMICHEVA, V.S.; CHERNYSHOVA, V.A.; SHUMILOVA, T.V.

Sensitivity to DDT of houseflies in various climatic zones of the USSR. Zhur.mikrobiol., epid.i immun. 33 no.8:20-24 Ag '62. (MIRA 15:10)

1. Iz TSentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta.

(FLIES--EXTERMINATION) (DDT)

VASHKOV, V.I.; SHNAYDER, Ye.V.; ZAKOLODKINA, V.I.; BRIKMAN, L.I.; CHUBKOVA, A.I.
ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I. Sh.;
ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P. Ya.; MARTINSON, M.E.;
MRACHKOVSKIY, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.;
RAZMANOVA, Ye.M.; SAVINA, K.V.; SERGEYEVA, A.V.; SOKOLOVA, M.Ye.;
FOMICHEVA, V.S.; CHERNYSHEVA, V.A.; SHUMILOVA, T.V.

Sensitivity of houseflies to chlorophos prior to its use.
Zh. mikrobiol. 40 no.7:3-7 J1'63 (MIRA 17:1)

ISAAKYAN, A. I.

Isaakyan, A. I. - "The microflora of the Phlebotomi and their importance in epidemiology", (In index, third author listed as A. G. Megrabyan), Mikrobiol. Sbornik (Akad. nauk. Arm. SSR, Sektor mikrobiologii), Issue 2, 1949, p. 27-38, (In Armenian, - resume in Russian).

CHERNYAK, N.B.; ISAAKYAN, A.I.; TOTSKAYA, A.A.; LORIYE, Yu.I.

Some biochemical and morphological characteristics of blood platelets in Glanzman-Naegeli disease. Vop. med. khim. 11 no.4:103-105 J1-Ag '65. (MIRA 18:8)

1. Biokhimicheskaya laboratoriya gematologicheskoy kliniki i tsitologicheskaya laboratoriya Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi, Moskva.

ISAANYAN, A.I.; KHZMALYAN, Z.V.; MEGHABYAN, G.A.

Microflora parasitic on moth flies and its significance in epidemiology
[in Armenian with summary in Russian] Mikrobiol.sbor. no.3:27-38 '49.
(ARMENIA--MOTH FLIES) (MIRA 9:8)
(INSECTS AS CARRIERS OF DISEASE)
(STREPTOCOCCUS)

ISAAKYAN, A. Ye.

Arboriculture

Sowing of seeds in trenches. Les.khoz. 5 No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

ISAANYAN, G.A.

Diagnosis of sarcoma of the stomach. Vest.rent. 1 rad. no.5:
85-87 S-O '55. (MLRA 9:1)

1. Iz kafedry rentgenologii (nach.--prof. Sh.I.Abramov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kireva.
(STOMACH, neoplasm
sarcoma, diag.)
(SARCOMA,
stomach, diag.)

ISAANKYAN, G.A., polkovnik meditsinskoy sluzhby

Role of bronchography for the detection of bronchiectases. Voen-med.
zhur. no.4:30-32 Ap '56. (MLRA 9:9)

(BRONCHI--DILATATION) (BRONCHI--RADIOGRAPHY)

ISAANYAN, G.A. (Krasnodar)

Device for intrabronchial administration of contrast media and
medicine. Vrach.delo supplement '57:23-24 (MIRA 11:3)
(MEDICAL INSTRUMENTS AND APPARATUS)

ISAAKYAN, G.A., polkovnik meditsinskoy sluzhby

Diagnosis of gastroduodenitis. Voen.-med. zhur. no.6:77 Ja '61.

(MIRA 14:8)

(DIGESTIVE ORGANS--DISEASES)

ISAAKYAN, Garnik Drastamovich; CHERNYSHEVA, Yu., red.; DANILINA, A.,
tekh. red.

[Armenian S.S.R.; a concise account of its history and economy]
Armianskaia SSR; kratkii istoriko-ekonomicheskii ocherk. Moskva,
Gos. izd-vo polit. lit-ry, 1958. 118 p. (MIRA 12:2)
(Armenia--Economic conditions)

ISAAKYAN, Garnik Drastamatovich [Isaakian, H.D.]; SKVIRSKAYA, M.P.
~~[Skvyrs'ka, M.P.]~~, red.; SERGEYEV, V.F., tekhn. red.

[Soviet Armenia] Radians'ka Virmenia. Kyiv, Derzh. vyd-vo
polit.lit-ry URSR, 1962. 102 p. (MIRA 15:6)
(Armenia--Economic conditions)

ISAAKYAN, I. G.

Isaakyan, I. G.: "Amputation and prosthesis of war casualties at the Armenian hospital bases," (Report), Trudy III Zakavkazsk. s"yezda khirurgov, Yerevan, 1948 (on cover: 1949), p. 386-95

SO: U-5240, 17 Dec. 53, (Letopis 'zhurnal 'nykh Statey, No. 25, 1949).

ISAAKYAN, I. G.

24407

ISAAKYAN, I. G. Vosstanovitel'nyye operatsii pal'tsev kisti. Sbornik nauch. Trudov (Yerevansk. nauch.-issled. III-T ortopedii i vosstanovit. Khirurgii), 1, 1949, S. 9-12.

SO: Letopis, No. 32, 1949.

2/1/08

ISAAKIAN, I. Lecheniye vroschdennoy o vyvikha boira po dannym Yerevenskogo instituta ortopedii i vosstanovitel' noy Khirurgii. Sbornik nauk. Trudov (Yerevansk. nauch.-issled. III-T ortopedii i vosstanovit. Khirurgii), 1, 1949, S. 87-90.

SO: Letopis, No. 32, 1949.

ISAKYAN, I. G.

Dissertation: "Fascioplasty Method of Amputation and Reamputation of the Tarsus." Dr
Med Sci, Acad Med Sci USSR, 16 Apr 54. (Vechernyaya Moskva, Moscow, 6 Apr 54)

SO: SUM 243, 19 Oct 1954

ISAAKYAN, I.G.

[Fascioplasic amputation and reamputation of the lower leg]
Fastsial'noplasticheskaia amputatsiia i reamputatsiia goleni.
Erevan, Armianskoe gos.isd-vo, 1959. 99 p.
(AMPUTATIONS OF LEG) (MIRA 13:11)

ISAAKYAN, I.G., doktor med.nauk

Khristofor Airapetovich Petrosian. Ortop., travm.i protez. 20
no.12:65 D '99. (MIRA 13:5)
(BIOGRAPHIES)

RYABOKON', Ye.A. (Arkhangel'sk, naberezhnaya Lenina, d. 93, kv.6);
 MARTYNYUK, K.D. (Kamensk-Shakhtinskiy, Arsenal'naya ul., d.57-b);
 LOPATINA, M.A. (Irkutsk, ul.Timiryazeva, d.1., kv.51);
 SAGDULLAYEV, N. (Andizhan, UzSSR, Bukharskaya ul., d.1, kv.9)
 ISAAKYAN, I.G., prof.; KRISTOSTURYAN, T.L., kand.med.nauk

Abstracts of articles received by the editors. Ortop. travm.
 i protez. 24 no.2:78-80 F'63. (MIRA 16:10)

1. Iz travmatologicheskogo punkta Arkhangel'ska (zav. - G.L. Chernyakovskaya) i kafedry operativnoy khirurgii (zav. - prof. S.I.Yelizarovskiy) Arkhangel'skogo meditsinskogo instituta (for Ryabokon'). 2. Iz ortopedo-travmatologicheskogo otdeleniya (zav. K.D.Martynyuk) Kamensk-Shakhtinskoy gorodskoy bol'nitsy (for Martynyuk). 3. Iz khirurgicheskogo otdeleniya (zav. - kand.med.nauk. Ya.D.Vitebskiy) Kurganskoy oblastnoy bol'nitsy (for Lopanina). 4. Iz kafedry operativnoy khirurgii s topografi-cheskoy anatomiyei (zav. - kand.med.nauk B.G.Ganiyev) Andizhanskogo meditsinskogo instituta (for Sagdullayev). 5. Iz Yerevanskogo instituta travmatologii i ortopedii (dir. - prof. I.G.Isaakyan) (for Isaakyan, Kristosturyan).

USSR/Medicine - Physiology

FD-2456

Card 1/2

ISAANKYAN, L. A.
Pub 33-7/24

Author : Isaakyan, L. A.

Title : ~~On seasonal variations of chemical thermoregulation and of the specific dynamic action of food in heterothermid animals~~
On seasonal variations of chemical thermoregulation and of the specific dynamic action of food in heterothermid animals

Periodical : Fisiol. shur. 2, 210-218, Mar-Apr 1955

Abstract : The metabolic rate and body temperature of *Erinaceus Europeanus* L. (hedgehog) and *Citellus pygmaeus* Pall. (Siberian marmot) were measured at 0°, 5°, 10°, 20°, 25°, 30°, and 33°C., in fasting condition, several times monthly throughout one year, resulting in a total of 1950 experiments in 9 animals. Between the experiments, the animals were kept at 16-20°C. The chemical thermoregulation, expressed in per cent change of the O₂ consumption per 1°C. change, in *Erinaceus* is best pronounced in spring and summer, poorer in fall, and absent in winter. In *Citellus*, the thermoregulation is also best developed in spring and summer; although the O₂ consumption increases at 0° and 5°C. in winter and fall significantly, there is a drop of body

Card 2/2

FD-2456

temperature. The specific dynamic action of food is also highest in spring and summer; in contrast, white rats do not show any seasonal trend of the specific dynamic action. Graphs; tables. Sixteen references, 14 of them USSR (13 since 1940).

Institution: Laboratory of Physiology of Gas and Heat Exchange of the Department of General Physiology of the Institute of Experimental Medicine of the Academy of Medical Sciences USSR, Leningrad

Submitted : June 27, 1953

ISAANYAN, L. A.

1407 Research on synthesis of chemical thermoelements and
production of heat in thermoelectric elements. 1964. 10 p.
The author describes the results of research on the synthesis of
chemical thermoelements and the production of heat in thermoelectric
elements. The research was carried out in the laboratory of
chemical thermoelements of the Institute of Chemical Physics of the
Academy of Sciences of the USSR. The author describes the results of
research on the synthesis of chemical thermoelements and the
production of heat in thermoelectric elements. The research was
carried out in the laboratory of chemical thermoelements of the
Institute of Chemical Physics of the Academy of Sciences of the USSR.

~~ISA~~ ISHAKYAN, L.A.

USSR/Human and Animal Physiology. The Nervous System.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27439.

Author : R.P.Ol'nyanskaya and L.A. Isaakyan.

Inst :

Title : Reflex Changes in Gas Exchange Associated With
Typological Peculiarities of the Nervous System.

Orig Pub: Zh. vyssh. nervn. deyat-sti, 1956, 6, No 3, 408-414.

Abstract: The orientation motor response to various indifferent stimuli in dogs was accompanied by changes in gas exchange, the magnitude of which corresponded to the strength of the stimulus. The changes in gas exchange disappeared according to the degree of extinction of the motor reflex. In strong, stable dogs the alterations in gas exchange produced by the motor reflex were mild and rapidly returned to

Cardq : 1/3

*Lab. fiziol gazo-obmena i teploobmena
otdel. obshch. fiziol IEM, AMN SSSR*

USSR/Human and Animal Physiology. The Nervous System.

V

Abs Jour: Ref, Zhur-Biol., No 6, 1958, 27439.

normal. In dogs of a weak type in which the excitatory process was predominant, the shifts in gas exchange were more marked (more often in the direction of an increase), while extinction of these changes was retarded. In animals representing a strong variation of the weak type, the alterations in gas exchange were great, but extinction was irregular. In repeated determinations of the basal metabolism, the rate at which a stable value of gas exchange was established for a given animal depended upon the speed of formation of a conditioned response to the experimental set-up and was determined by the type of nervous system. The author considers that reflex alterations in gas

Card : 2/3

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, USSF/Human and Animal Physiology. The Nervous System.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 27439.

exchange are an integral component of orientation reactions and reflect the dynamics of basic nervous processes in accordance with typological peculiarities.

Card. : 3/3

USSR/Human and Animal Physiology (Normal and Pathological)
Nervous System. Higher Nervous Activity. Behavior. T

Abs Jour : Ref Zhur Biol., No 6, 1959, 27035

Author : Ol'nyanskaya, R.P., Isaakyan, L.A.

Inst : -

Title : Reflex Changes of Gaseous Interchange and Heat Regulation
in Dogs in Connection with Typological Peculiarities of
the Nervous System.

Orig Pub : V sb.: Probl. fiziol. tsentr. nervn. sistemy. M.-L.,
AN SSSR, 1957, 412-419

Abstract : In dogs of a strongly balanced type, conditioned-reflex
changes of gaseous interchange (G) with temperature
reinforcement were produced and extinguished quickly,
orientation reactions to indifferent stimuli were accom-
panied by insignificant, quickly extinguished shifts of
G. the fluctuations of basal metabolism were weakly ex-
pressed. In animal of unbalanced type with prevalence

Card 1/2

OL'NYANSKAYA, Regina Pavlovna; ISAAYAN, Lilian Arshavirovna; VASILYVSKIY,
N.N., red.; RULEVA, M.S., tekhn.red.

[Methods for studying gas exchange in man and animals] Metody
issledovaniia gazovogo obmena u cheloveka i zhiivotnykh. Leningrad,
Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1959. 179 p.

(MIRA 12:10)

(RESPIRATION)

ISAAKYAN, L.A.; KOLHENKO, Ye.A.; SHEKHNBINA, A.G.

Electrical apparatus for thermal stimulation of the skin. Fisiol.
zhur. 45 no.11:1388-1391 N '59. (MIRA 13:5)

1. From the U.S.S.R. Academy of Sciences Institute of Semi-Con-
ductors and the department of general physiology, Institute of
Experimental Medicine, Leningrad.
(TEMPERATURE)

41339

27 1120

S/020/62/146/003/018/019

B144, B186

AUTHORS: Isaalyan, L. A., Ol'nyanskaya, R. P., Trubitsyna, G. A.

TITLE: Temperature effects on gaseous metabolism and bioelectric activity of brain and muscles in man during muscular work

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 146, no. 3, 1962, 728-730

TEXT: The role of muscle activity and of central and peripheral effects in thermoregulation was studied in 5 healthy 20-25 - year-old individuals. Gaseous metabolism was determined with a Böhlau apparatus. Electroencephalograms and electromyograms of the arm flexor were taken after: 1) muscular work; 2) application of hot-water bags (a) and icebags (b) to the hand without muscular work; 3) muscular work with previous heating (a) and cooling (b). 1) 25 - 52% increase of gaseous metabolism; α -rhythm suppressed; action current increased. 2a) (in the same order) No change or slight reduction; suppression in the 1st minute; no change. 2b) 15 - 20% reduction, restoration after 1 min; similar to 1); but less marked; not always increased. 3a) Sometimes slight increase; insignificant suppression in the 1st minute; 15 - 20% increase. 3b) No

Card 1/3

Temperature effects on gaseous ...

S/020/62/146/003/018/019
B144/B186

increase, less, 14 - 43% reduction. 1, 2a, and 2b are compared to the state of muscles at rest under normal conditions; 3a and 3b are compared to 1. Conclusions: The accumulation of the applied heat and the heat formed by muscular work impedes the heat exchange and increases the energy consumption and the action currents. The reverse effects result from cooling. Muscle activity reduces the susceptibility of the body to the temperature applied. Temperature affects the excitability of the brain centers during muscular work and consequently also that of the muscle. The reaction in muscular activity at different temperatures is controlled by cortical formations, thermoregulatory hypothalamus centers and motoric centers in brain and spinal cord. There is 1 figure. The most important English-language reference is: T. R. A. Davis, J. Appl. Physiol., 16, 6, 1011 (1961).

ASSOCIATION: Institut fiziologii im. I. P. Pavlova Akademii nauk SSSR
(Institute of Physiology imeni I. P. Pavlov of the Academy
of Sciences USSR)

PRESENTED: April 5, 1962, by V. N. Chernigovskiy, Academician

Card 2/3

ISAANYAN, L.A.; KALIKHMAN, A.A.

Variation of gas exchange during the formation of a conditioned motor defense reaction in dogs. Opyt izuch. reg. fiziol. funk. 6:48-51 '63 (MIRA 17:3)

1. Gruppy fiziologii gazoobmena i teploobmena (rukovoditel' - prof. R.P. Ol'nyanskaya) laboratorii ekologicheskoy fiziologii (zav. - prof. A.D. Slonim) Instituta fiziologii imeni Pavlova AN SSSR.

ISAAKYAN, L.A.

Effect of thyroxine and methylthiouracil on unconditioned reflex thermoregulation in rabbits. Opyt isuch. reg. fiziol. funk. 6:165-170 '63 (MIRA 17:3)

1. Gruppya fiziologii gazookhmena i teploookhmena (rukovoditel' prof. R.P. Ol'nyanskaya) i laboratoriya ekologicheskoy fiziologii (zav. - prof. A.D. Slonim) Instituta fiziologii imeni Pavlova AN SSSR.

ISAAKYAN, I.A.; OL'NYANSKAYA, R.P.; TRUBITSYNA, G.A.

Respiratory gas exchange and bioelectric activity of human muscles during a combined effect of temperature and muscular activity on the organism. Opyt izuch. reg. fiziol. funk.6: 171-179 '63 (MIRA 17:3)

1. Gruppe fiziologii gazookmena i teploookmena (rukovoditel' - prof. R.P.Ol'nyanskaya) Institut fiziologii imeni Pavlova AN SSSR.

YEVDOKIMOV, S.A.; ISAAKYAN, L.A.; MASLENNIKOVA, L.S.

Electrometric method for determining the oxygen concentration in the expired air of small animals. Fiziol. zh. SSSR Sechenov 49 no.6:767-770 '63 (MIRA 17:1)

1. From the Unit for Gas- and Thermal exchange Physiology, Pavlov Institute of Physiology, Leningrad.

ISAAKYAN, Lilian Arshavirovna; OL'NYAN'KOV, R.P., otv. red.

[Electrochemical methods of gas analysis in physiology]
Elektrokhimicheskie metody gazovogo analiza v fiziologii.
Moskva, Nauka, 1964. 78 p. (MIRA 17:8)

ISAAKYAN, L.A.; OL'NYANSKAYA, R.P.; TRUBITSYNA, G.A.

Physiological characteristics of the stimulation distribution in a muscular system following conditioned reflex changes in respiratory gas exchange. Dokl. AN SSSR 162 no.3:716-718 My '65. (MIRA 18:5)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Submitted July 7, 1964.

L 5417-66 EWT(1)/FS(v)-S DD

ACC NR: AP5025672

SOURCE CODE: UR/0385/65/001/005/0419/0424

26
13

AUTHOR: Isaakyan, L. A.; Rozhayya, D. A.; Maslennikova, L. S.

ORG: Group on the Physiology of Gas Exchange, Ecophysiology Laboratory, Institute of Physiology im. I. P. Pavlov, AN SSSR, Leningrad (Gruppa fiziologii gazoobmena laboratorii ekologicheskoy fiziologii Instituta fiziologii AN SSSR)

TITLE: Species-specific characteristics of heat production in rodents following hypothermia

SOURCE: Zhurnal evolyutsionnoy biokhimii i fiziologii, v. 1, no. 5, 1965, 419-424

TOPIC TAGS: animal physiology, hypothermia, thermogenesis, rat, mouse, hamster

ABSTRACT: The thermogenetic capacity was investigated in some rodent species while warming up after hypothermia. White rats (*Rattus norvegicus* Berkenh.), white mice (*Mus musculus* L.), golden hamsters (*Mesocricetus auratus* Wath.), and field mice (*Stenocranius gregalis* Pall.) were used. Hypothermia was induced by a combination of hypercapnia and cooling. The oxygen consumption of animals, determined in an exsiccator, was used as an index of their heat production. It was found that the comparative thermogenetic characteristics of these animals during lethargic hypothermia (defined as a body temperature of 16—20C) and during spontaneous reanimation correspond to species-specific characteristics under normal heat conditions. Recovery of body temperature in all four species occurs in a similar manner, but with dif-

Cord 1/2

UDC: 577.42+591.128:599.32

L 5417-66

ACC NR: AP5025672

ferent energy expenditures. Golden hamsters (hibernators) demonstrated higher rates of heat production, more pronounced shivering, and greater resistance to cooling than other species. The capacity of a species for spontaneous reanimation is only partly determined by the depth of hypothermia and the temperature of the surroundings. Experimental results showed that white rats and mice with a body temperature of 19C cannot revive spontaneously; however, hamsters and field mice with an even lower body temperature (15C) can revive themselves. Orig. art. has: 4 figures and 1 table.

[JS]

SUB CODE: LS/ SUBM DATE: 27Feb65/ ORIG REF: 007/ OTH REF: 007/ ATD PRESS: 4/33

BVK.

Card 2/2

ISAAKYAN, L. S.

Isaakyan, L. S.

"Disturbance and restoration of the functions of puppies after cutting the posterior half of the spinal cord at the level of the last thoracic segments, and the role of the cerebral cortex in compensation processes." Second Moscow State Medical Inst imeni I. V. Stalin. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Science.)

Knizhnaya letopis'
No. 15, 1956. Moscow.

ISAAKYAN, L.S.

Impairment and restoration of functions in puppies following
transection of the posterior half of the spinal cord at the
level of the last thoracic vertebrae and role of the cerebral
cortex in compensatory processes. Trudy Fiziol.lab.AN SSSR
1:229-263 '59. (MIRA 12:8)

(CEREBRAL CORTEX) (SPINAL CORD)

AID Nr. 997-10 25 June

FATIGUE OF FLIGHT PERSONNEL (USSR)

Isaakyan, L. S. IN: Konferentsiya po metodam fiziologicheskikh issledovaniy cheloveka. Materialy. (Materials of the conference on methods of investigating human physiology). Moskva, 1962. 85-86.
S/926/62/000/000/003/004

Ground studies were conducted at the Department of Aviation Medicine of the State Scientific Research Institute of the Civil Air Fleet from 1955 to 1960 to establish a physiological basis for setting permissible daily in-flight work norms for flight crews on various kinds of aircraft. A number of cardiovascular functions and functions of the central nervous system were studied in 150 pilots before and after flights of 3 to 4 to 9 to 10 hours duration in TU-104 and Il-18 aircraft. Higher nervous activity was studied by determining the latent period of conditioned visual-motor reactions; lability of the cortical portion of the visual analyzer, by determining the critical flicker-fusion frequency of flashes excited by electrical stimuli; and electrogalvanic

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AID Nr. 997-10 25 June

FATIGUE OF FLIGHT PERSONNEL [Cont'd]

8/926/62/000/000/003/004

sensitivity of the cortical portion of the visual analyzer, by determining the flash-excitation threshold. Duration of latent period and after-image duration determination permitted evaluation of mobility and intensity of basic nervous processes in the cortical portion of the visual analyzer. Among the cardiovascular indices, drops in maximal and increases in minimal arterial blood pressure and increases in pulse rate were considered of great importance. These study methods were supplemented by VEKG, EEG, morphological and biochemical blood studies, and studies of binocular vision. Consistency of the results of the tests used for all subjects tested indicates the cumulative validity of the tests as an objective index of fatigue. [DMP]

Card 2/2

ISAACKYANA, ^{O. N.}~~N. O.~~

N/5
912.755
.V3

Kratkiy tekhnicheskii zheleznodorozhnyy slovar' (Short technical railroad dictionary) Pod red. N. N. Vaseil'yev, O. N. Isaakyan (i dr) Moskva, Transzheldorizdat, 1941.
998 p. illus., diags., maps.

ISAAKYAN, OGANEZ NIKOLAEVICH AND P. N. ASTAKHOV.

Rezultaty ispytaniy parovoza Em. Moskva, Transzheldorizdat, 1947. 55 p. diagrs.
Results of Em locomotive testing.

DLC: TJ690.I8

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

ISAAKYAN, O.N., professor

Problem of determining brake coefficients. Tekh.zhel.dor.6 no.10:
11-12 0'47.

(Railroads--Brakes)

(MLRA 8:12)

BABICHKOV, A.M.; YEGORCHENKO, V.F. [deceased]; ISAAYAN, O.N., prof.,
retsensent; GURSKIY, P.A., dotsent, red.; VERINA, G.P., tekhn.red.

[Traction computations] Tiagovye raschety. Izd. 3.. 1spr. 1 dop.
Moskva, Gos.transp.shel-dor.izd-vo, 1952. 331 p. (MIRA 12:2)
(Railroads--Trains) (Locomotives)

ISAAKYAN, O.N., professor, otvetstvennyy za vypusk; VERINA, G.P., tekhnicheskiiy redaktor

[Rules for making railroad traction estimates] Pravila proizvodstva tiagovykh raschetov dlia poezdnoi raboty. Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 157 p.
(MLRA 9:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy insitut zheleznodorozhnogo transporta.
(Locomotives)

~~ISAAKYAN~~, O.N., professor; GANINSKIY, G.V.; KHOKHLOV, T.N.

New rules for making traction calculations. Vest. TSNII
MPS 15 no.1:32-36 Ag '56.

(MLRA 9:12)

(Railroad engineering)

ISAAKYAN, O.N., professor; GURSKIY, P.A., dotsent.

New regulations for locomotive calculations. Zhel. dor. transp.
38 no.9:3-7 S '56. (MLRA 9:10)

(Locomotives)

ISAAKYAN, Oganés Nikolayevich, prof., zaslužennyy deyatel' nauki i
tekhniki [deceased]; GURSKIY, Pavel Antonovich, prof., doktor
tekhn.nauk; SAZONOV, A.G., inzh., red.; KHITROV, P.A., tekhn.red.

[Traction calculations] Tiagovye raschety. Moskva, Gos.transp.
zhel-dor.isd-vo, 1959. 358 p. (MIRA 12:12)
(Locomotives)

ISAAKYAN, S.

"Budget and credit system, and economic and cultural construction
in the Armenian S.S.R. (1920-1955)" by G.Shakorian [prof.]. Reviewed
by S.Isaakian. Fin.SSSR 17 no.8:89-90 Ag '56. (MIRA 10:12)
(Armenia--Finance) (Shakorian, G.)

ISAAKYAN, S.

Semiconductors in technology and home economics. Prom.Arm.
5 no.10:66-69 0 '62. (MIRA 15:11)
(Semiconductors)

ISAAHYAN, S.A.

Symmetrical and zonal structure of the trachydacite Bugakar dike.
Nauch.trudy Erev.un. 52:101-113 '55. (MLRA 9:9)

1. Kafedra mineralogii i petrografii.
(Bugakar Valley--Dikes (Geology))

ISAAXYAN, S.A.

New data on the stratigraphy of upper Quaternary formations of western Daralages (Armenian SSR). Dokl.AN Arm.SSR 22 no.2:77-80 '56. (MLRA 9:7)

1.Yerevanskiy gosudarstvennyy universitet imeni V.M.Meletova.
Predstavlena I.G.Magak'yanom.
(Daralages Range--Geology, Stratigraphic)

ISAAKYAN, S.A.

Regularities of Neogene volcanism within the boundaries of the
western Daralages in the Armenian S.S.R. Dokl. AN Arm. SSR 24 no.
3:119-124 '57. (MLRA 10:5)

1. Yerevanskiy gosudarstvennyy universitet im. V.M. Molotova.
Predstavleno I.G. Magak'yanom.
(Daralages range--Rocks, Igneous)
(Daralages range--Geology, Stratigraphic)

ATSAGORTSYAN, Z.; ISAANYAN, S.

Effect of petrographic characteristics on the strength of basalt.
Prom.Arm. 5 no.4:54-58 Ap '62. (MIRA 15:5)
(Armenia--Basalt)

ISAAKYAN, S.M.

Designing principle of transition sections of pressureless waterpipes.
Izv.AN Arm.SSR.Ser.FMET nauk 4 no.6:433-439 '51. (MLRA 9:8)

1. Vodno-energeticheskiy institut Akademii nauk Armyanskoy SSR.
(Waterpipes)

ISAAKYAN, S.M. (Matinyan)

~~Eddies~~ and their capacity near hydraulic engineering structures.
Izv. AN Arm SSR. Ser. FMEET nauk 8 no.3:101-112 My-Je'55.
(MLRA 8:11)

1. Vodno-energeticheskiy institut Akademii nauk Armyanskoy SSR
(Hydraulics)

ISA/KYAN, S.M.

Choosing a method for calculating water hammer in pressure conduits of
low-pressure pumping installations. Izv. AN Arm.SSR.Ser.tekh.nauk
11 no.6:39-46 '58. (MIRA 12:3)

1. Vodno-energeticheskiy institut AN Arm.SSR.
(Water hammer)

L 61004-55 EWT(1)/EWP(1)/EWA(d)/FCS(R)/EWA(1) Pd-1
 ACCESSION NR: AP5018664

UR/0173/65/018/003/0045/0058

AUTHORS: Isaakyan, S. M.; Gasparyan, A. M.

TITLE: On the interaction mechanism of solid bodies with a viscous fluid in a two-phase flow

SOURCE: AN ArmSSR. Izvestiya. Seriya tekhnicheskikh nauk, v. 18, no. 3, 1965, 45-58

TOPIC TAGS: viscosity, viscous flow, viscous fluid

ABSTRACT: This investigation, an extension of the work of A. M. Gasparyan and A. A. Zamiyan (O mekhanizme padeniya chastits, v vyaskoy srede. DAN, ArmSSR, t. XXVI, 1, 1958), was undertaken to clarify existing discrepancies in the literature concerning the mechanism of the interaction between solid particles and a viscous fluid in a state of relative motion. Motion pictures of the consecutive vertical movement of two steel balls through 30 different glycerine-water solutions (extending of the region of Reynolds numbers from 0.0035 to 0.5) were made. The experimental results are represented by the empirical relationships

$$\frac{U_t}{U_0} = 1 + 2 \left(\frac{\alpha}{l} \right)^{1.05}$$

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L 61004-45

ACCESSION NR: AP5018664

and

$$\frac{U_2 - U_1}{U_0} = 0.261 \cdot Re^{0.128} - 5.37 \cdot 10^{-3} Re^{2.8}$$

where U_0 , U_1 , and U_2 is the velocity of the free fall for the upper and lower ball respectively; a - the radius of the ball, l - the distance between the falling balls and Re - the Reynolds' number. It is concluded that Ozeen's solution of the problem (Handbuch der Experimental Physik, b. 4, 1, teil 206) corresponds closer to reality than Stokes' solution. It was observed that, in the region of $l/a = 50 - 150$, there occurs a retardation of the lower ball, a phenomenon not previously considered in existing theories on the motion of two balls through viscous media. Orig. art. has: 2 tables, 4 graphs, and 17 equations.

ASSOCIATION: Institut organicheskoy khimii, AN Armyanskoy SSR (Institute of Organic Chemistry, AN Armenian SSR)

SUBMITTED: 26Jun64

ENCL: 00

SUB CODE: ME

NO REF NOV: 001

OTHER: 006

Card 2/2

ISAAKYAN, Ya., arkhitekter

Summer full-scale observations of the microclimate of apartment
houses in Eriyan. Prom. Arm. 6 no. 7:58-62 J1 '63. (MIRA 16:9)

ISAANYAN, Z. S.

"Domestic Swine as the Natural Reservoir of Intestinal Parasitic Protozoic Diseases." Cand Med Sci, Yerevan Medical Inst, 30 Dec 54. (K, 19 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: Sum. No. 556, 24 Jun 55